

AMENDMENT TO THE CLAIMS

516 C1 >

1. (Currently Amended) An image processing apparatus comprising:
a plurality of rendering sections arranged to respectively render color
component images on the basis of data common to the respective color components,
wherein each rendering section receives the common data and renders the common data
into one of the color component images; and

Shouldn't
this be
"generate"

a converter arranged to convert the rendered color component images into
color component images for printing in synchronism with operation of a printer engine.

31

2. (Previously Presented) The apparatus according to Claim 1, wherein each
of said plurality of rendering sections comprises a memory having a memory capacity large
enough to render at least a two-band color component image obtained by dividing a page
into bands.

3. (Previously Presented) The apparatus according to claim 2, wherein said
memory is divided into areas in units of bands, and the divided areas are alternately used
for the image rendering operation and outputting of an image to said converter.

4. (Previously Presented) The apparatus according to claim 1, further
comprising a rendering controller arranged to respectively supply the common data to each
of said plurality of rendering sections at substantially the same time and to control said
plurality of rendering sections to simultaneously render additive color mixture images.

5. (Previously Presented) The apparatus according to claim 1, further comprising an output section arranged to output the color component images for printing to the printer engine in accordance with the operation of the printer engine.

6. (Previously Presented) The apparatus according the clam 5, wherein said output section comprises a delay section arranged to compensate timing differences in forming the respective color component images in the printer engine.

7. (Original) The apparatus according to claim 1, wherein the data common to the respective color components is made up of a display list and print element data.

8. (Original) The apparatus according to claim 7, wherein the display list is a list of print elements obtained by dividing a print image and arranged in an order of occurrence.

9. (Original) The apparatus according to claim 7, wherein the print element data is image data representing one of a character, symbol, graphic pattern, color data, and image data.

10. (Currently Amended) An image processing method comprising the steps of:

rendering color component images by operating a plurality of rendering

sections, respectively, on the basis of data common to the respective color components,
wherein each rendering section receives the common data and renders the common data
into one of the color component iamges; and

converting the rendered color component images into color component
images for printing in synchronism with operation of a printer engine.

11. (Original) The method according to claim 10, further comprising the
step of rendering a color component image in units of bands by using a memory having a
memory capacity enough to render at least a two-band image.

12. (Previously Presented) The method according to claim 11, further
comprising the step of dividing the memory into areas in units of bands, and alternately
using the divided areas for image rendering in said rendering step and outputting of an
image for conversion in said converting step.

13. (Currently Amended) A computer program product storing a computer-
readable medium comprising program code for an image processing method, said ~~product~~
method comprising the steps of ~~process procedure codes for~~:

rendering color component images by operating a plurality of rendering
sections, respectively, on the basis of data common to the respective color components,
wherein each rendering section receives the common data and renders the common data
into one fo the color component images; and

B1
C2

converting the rendered color component images into color components
images for printing in synchronism with operation of a printer engine.
